

ABSTRACT

A process for the manufacture of polytrimethylene ether glycol comprising the steps of: (a) providing (1) 1,3-propanediol reactant selected from the group
5 consisting of 1,3-propanediol and/or oligomers or prepolymers of 1,3-propanediol having a degree of polymerization of 2-9 and mixtures thereof, and (2) a polycondensation catalyst; and (b) polycondensing the 1,3-propanediol reactant to form a polytrimethylene ether glycol at less than one atmosphere pressure, and the
10 product of the process. In addition, polytrimethylene ether glycol has a number average molecular weight greater than 1,500, an APHA color of less than 120, an unsaturation of less than 20 meq/kg, and a content of cyclic ether oligomers of less than 2%.